

FIG. 1A

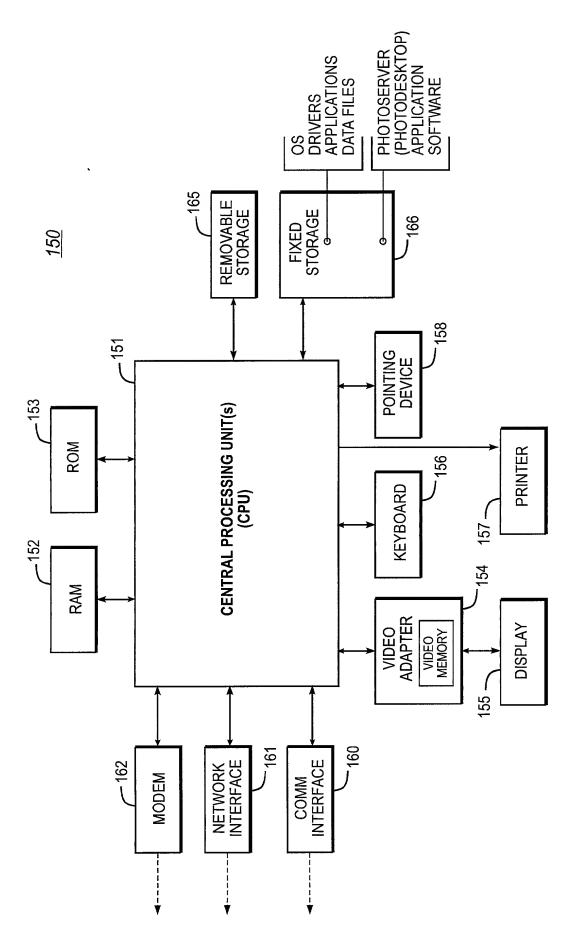


FIG. 1B

<u>200</u>

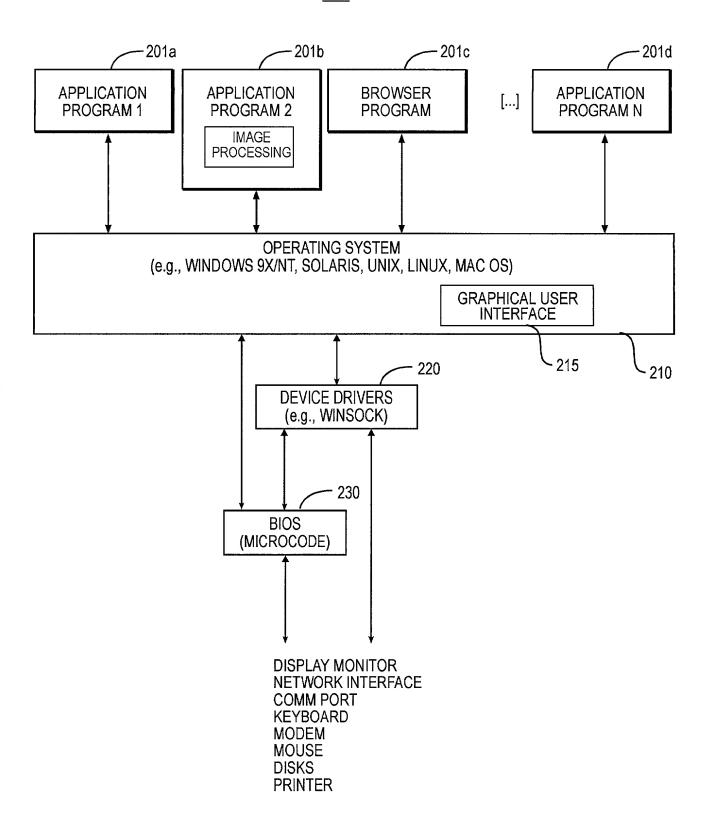
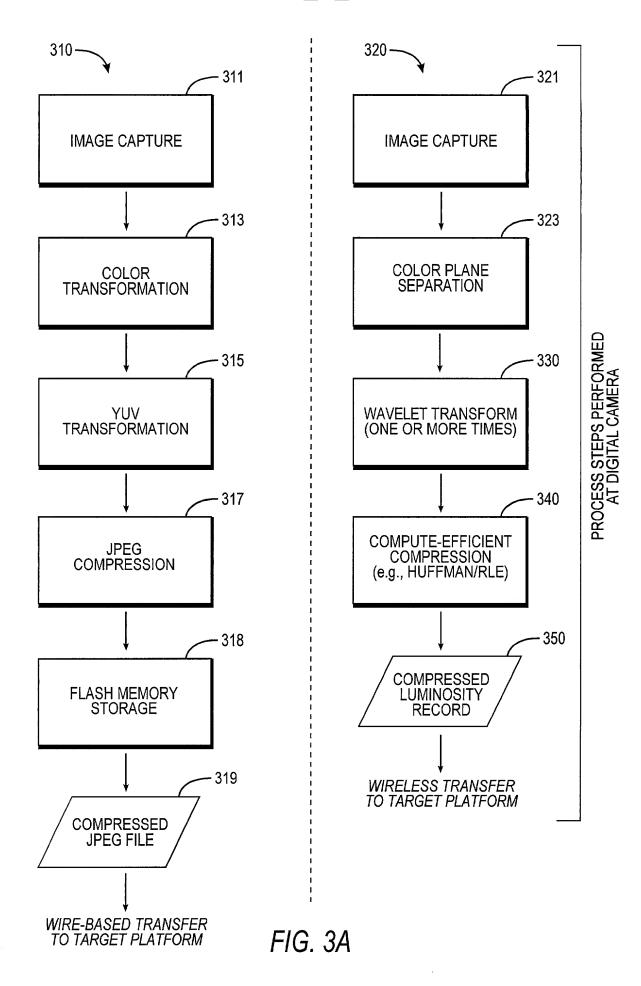


FIG. 2



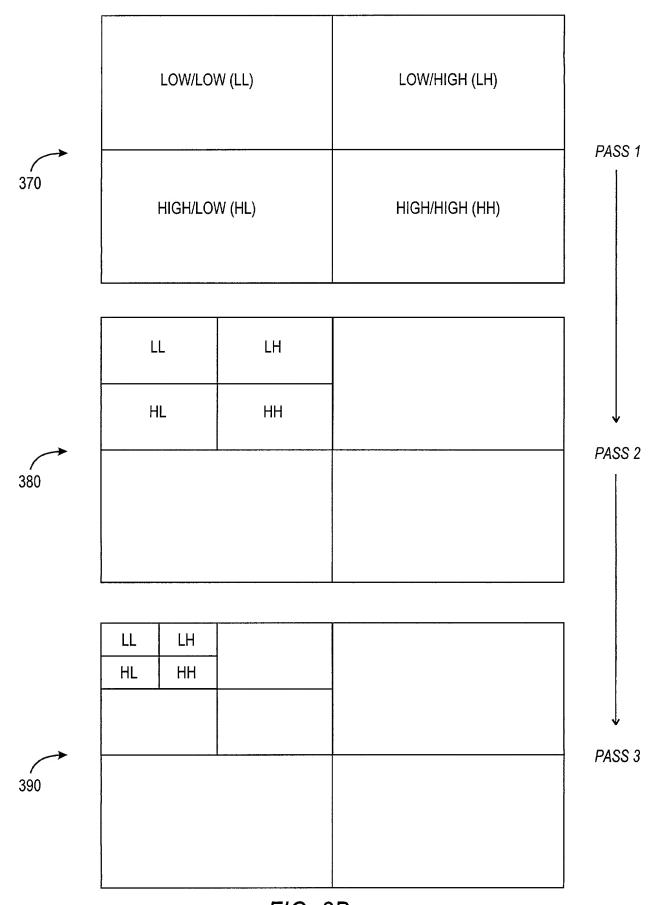


FIG. 3B



FIG. 3C



JPEG COMPRESSION (48:1)

FIG. 3D



FIG. 3E

WAVELET TRANSFORM COMPRESSION (48:1)



JPEG COMPRESSION (32:1)

FIG. 3F



FIG. 3G

WAVELET TRANSFORM COMPRESSION (32:1)



JPEG COMPRESSION (16:1)

FIG. 3H



WAVELET TRANSFORM COMPRESSION (16:1)

FIG. 31

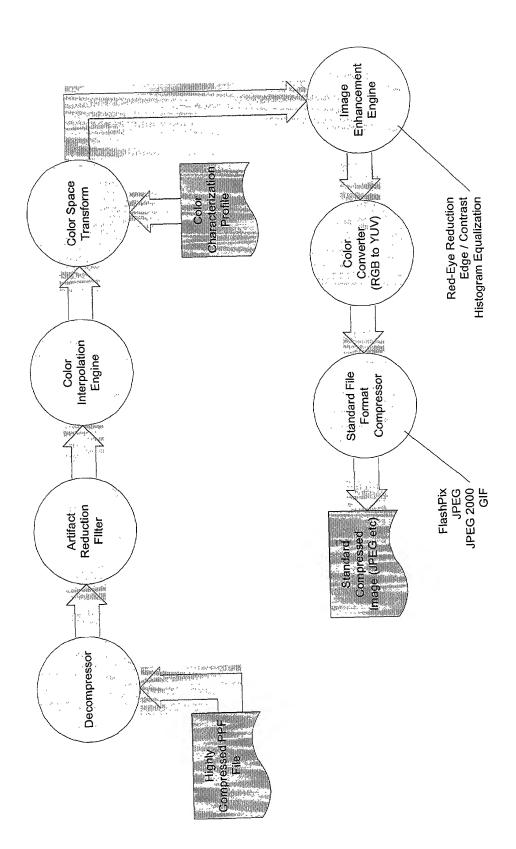


FIG. 4A

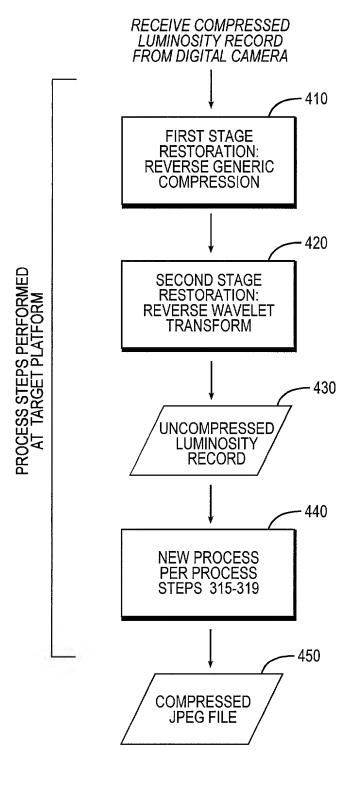
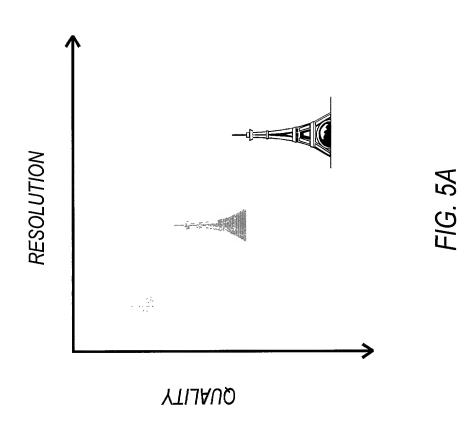
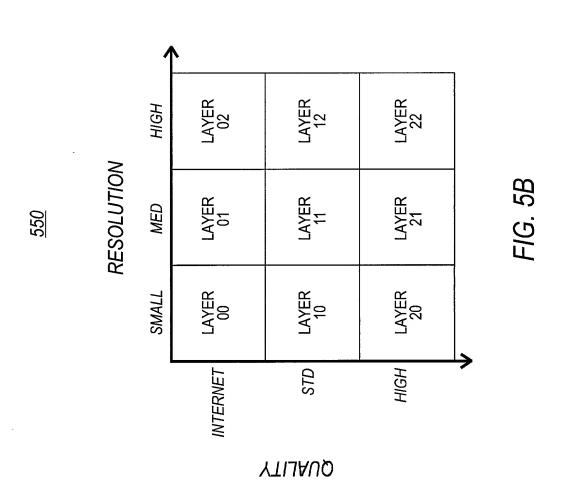
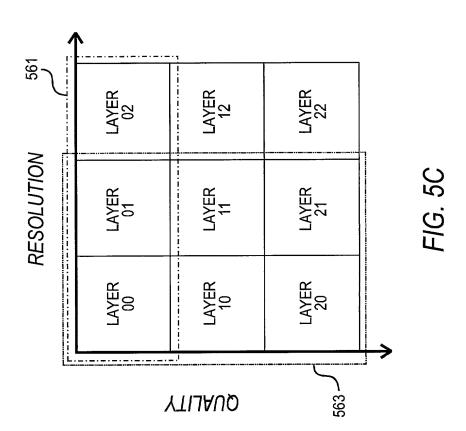


FIG. 4B







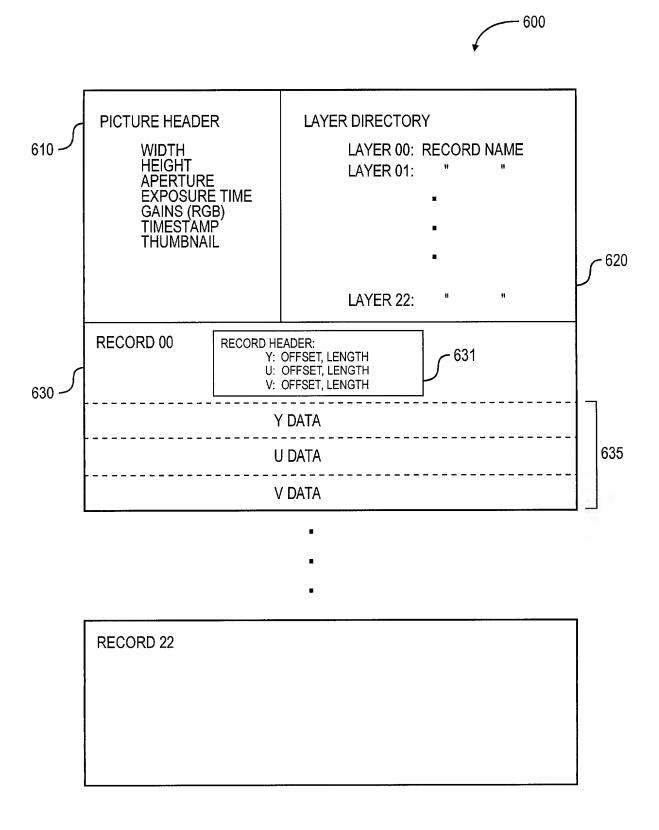


FIG. 6A

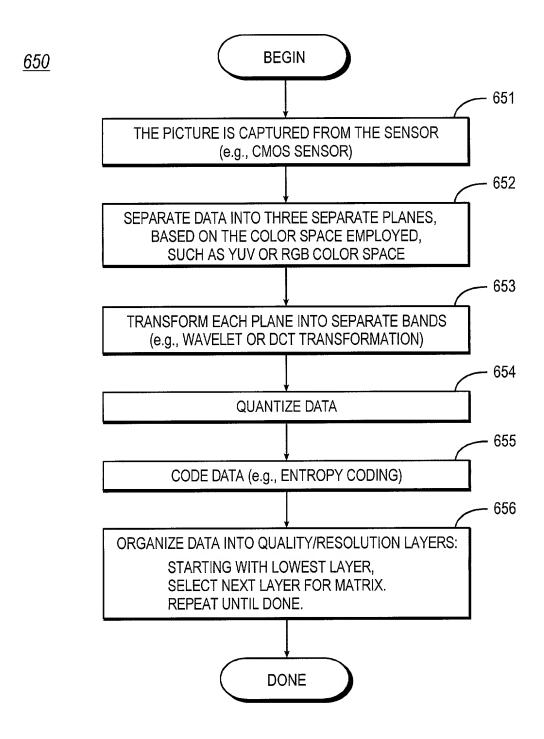


FIG. 6B

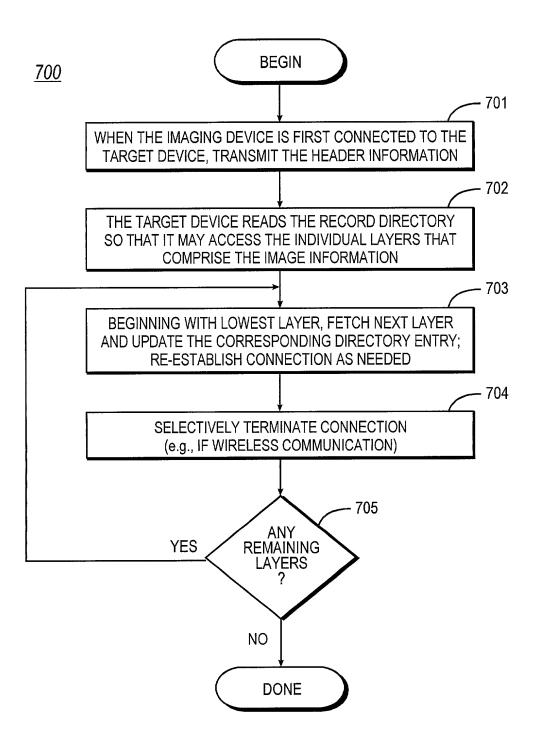


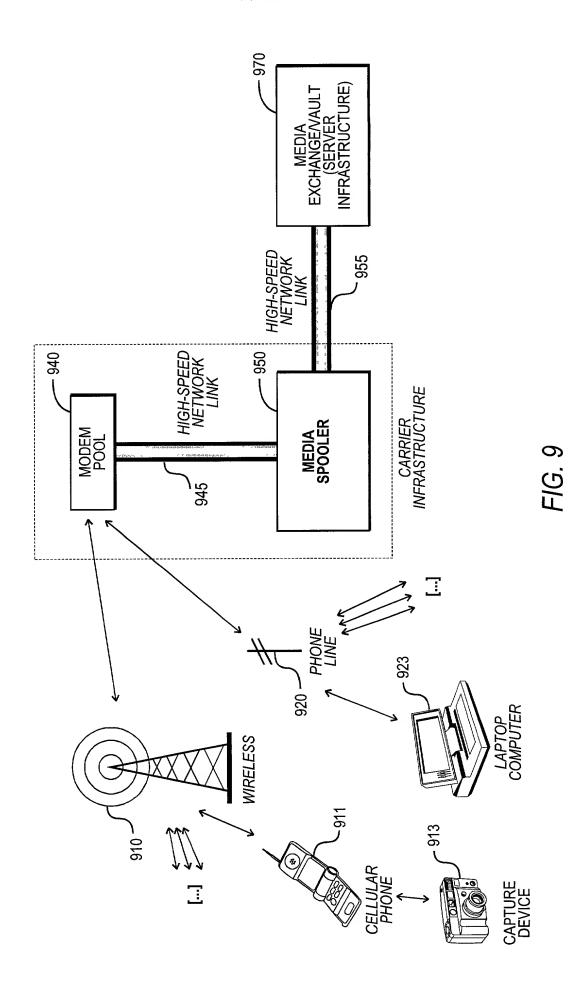
FIG. 7

SINGLE BLOB

PICTURE HEADER WIDTH HEIGHT APERTURE EXPOSURE TIME GAINS (RGB) TIMESTAMP THUMBNAIL		LAYER DIRECTORY LAYER 00: OFFSET/LENGTH LAYER 01: " "
		LAYER 22: " "
RECORD 00	RECORD HEADER: Y: OFFSET, LENGTH U: OFFSET, LENGTH V: OFFSET, LENGTH	
Y DATA		
U DATA		
V		/ DATA
•		
		•
		•
RECORD 22		

FIG. 8





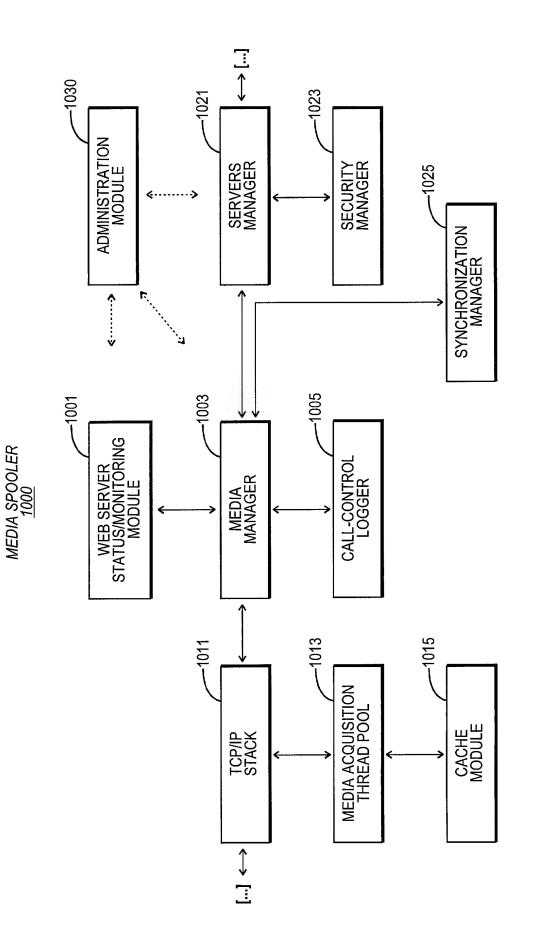


FIG. 10

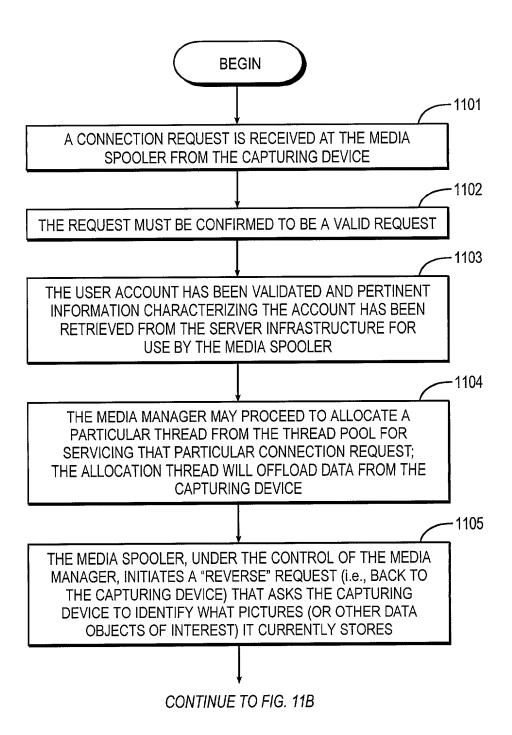


FIG. 11A

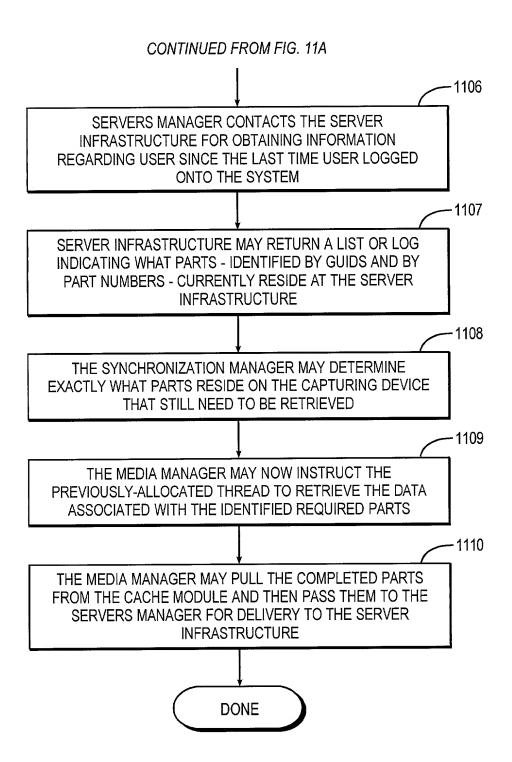


FIG. 11B

Media Spooler (Gateway) Protocol Session Server Infrastructure: Camera Device Media Spooler/Gateway Web Server (Visual Communicator) **Initiates TCP Connection** Sends Authentication Challenge Acknowledgement Requests Authentication Response Sends Authentication Response Requests Camera ID TIME Sends Camera ID STEPS 505 - 508 Request "Tagged" Pictures Sends Picture Info Request Picture Subset To Download Send Byte-level List of Pictures to Download Request "Chunk" of Picture Sends "Chunk" of Picture Upload Chunk of Picture STEPS 509 - 510 Acknowledgement Closes TCP Connection

FIG. 11C